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Conference Abstract

The Registry component of Atlas of Living Australia

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Abstract

Atlas of Living Australia (ALA)*1 is a Biodiversity Information System that has been developed to support the Biodiversity community. It offers access to open data allowing queries, downloads and interoperability. It uses standards to show and make accessible the information: JSON*2, Darwin Core Archive*3 and OGC*4. And users can see the data, have access to the metadata at different levels (occurrence, dataset, collection, institution, data provider...)

ALA is developed on an architecture based on RESTFUL*5 web services and it is composed of several components that interact with each other using those services to reach a common goal: making biodiversity information that exists more accessible around the world. Some ALA components are Search engine (or generic-hub*6), Registry (or generic-collectory*7), Data ingestion (biocache-store*8), Species (generic-bie*9), Geospatial (spatial-portal*10),... and more components that you can find in the GitHub*11 repository.

In this training session, we will focus on the Registry component (collectory-plugin*12). This component allows us to manage the information related to datasets, collections, institutions, data providers, contacts and generate reports associated with those entities.

This training will be split into 4 sections. The first will present how it technically works. The second section will present the administrator panel. In this section, we will see how to create/modify/delete the different entities and how they have been composed. We will also show how to create the relation between institutions, collections, and datasets with

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providers code and theirs mapping. At the end, we will present the reports available on ALA administrator webpage. In the third section, we will show the user collectory interface and the structure of metadata available. The fourth section, we will present an overview of the collectory web service API.

Note: We will use the Spanish data portal*13 to explain each section.

Keywords

Registry, Collectory, Atlas of Living Australia, Datasets, ALA, Collections, Institutions, Meta information, Community

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Endnotes

*1 http://www.ala.org.au/

*2 http://www.json.org/

*3 http://www.gbif.org/resource/80636

*4 http://www.opengeospatial.org/

*5 https://en.wikipedia.org/wiki/Representational_state_transfer

*6 https://github.com/AtlasOfLivingAustralia/generic-hub

*7 https://github.com/AtlasOfLivingAustralia/generic-collectory

*8

https://github.com/AtlasOfLivingAustralia/biocache-store

*9 https://github.com/AtlasOfLivingAustralia/generic-bie

*10 https://github.com/AtlasOfLivingAustralia/spatial-portal

*11 https://github.com/AtlasOfLivingAustralia/

*12 https://github.com/AtlasOfLivingAustralia/collectory-plugin

*13 http://datos.gbif.es